

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants: Michael D. Camras; Michael R. Krames; Wayne L. Snyder; Frank M. Steranka; Robert C. Taber; John J. Uebbing; Douglas W. Pocius; Troy A. Trottier; Christopher H. Lowery; Gerd O. Mueller; Regina B. Mueller-Mach

Assignee: Lumileds Lighting U.S. LLC

Title: Light Emitting Diodes With Improved Light Extraction Efficiency

Serial No.: 09/660,317 Filing Date: September 12, 2000

Examiner: Stephen D. Meier Group Art Unit: 2822

Docket No.: M-8633 US

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST

Sir:

The above-identified assignee, hereby revokes all powers of attorney previously given and appoints the attorney(s) and/or agent(s) identified below to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:



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PATENT TRADEMARK OFFICE

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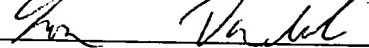
ASSIGNEE CERTIFICATION UNDER 37 CFR 3.73(B)

The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application by virtue of a chain of title from the inventor(s) of the above-identified patent application to the above-identified assignee as shown below:

1. From: Michael D. Camras; Michael R. Krames; Wayne L. Snyder; Frank M. Steranka; Robert C. Taber; John J. Uebbing; Douglas W. Pocius; Troy A. Trottier; Christopher H. Lowery; Gerd O. Mueller; Regina B. Mueller-Mach. To: Lumileds Lighting, U.S., LLC. The document was recorded in the Patent and Trademark Office at Reel 011407 Frame 0312.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

Date: November 18th 2002 Lumileds Lighting, U.S., LLC

By: 

Name: Lou Dadok

Title: Intellectual Property Manager

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